

	A	B	C	D	E	F	G	H	I	J	K	L
1				Normal Background Statistics for Data Sets with Non-Detects								
2	User Selected Options											
3	Date/Time of Computation			8/29/2013 7:59:59 AM								
4	From File			WorkSheet.xls								
5	Full Precision			OFF								
6	Confidence Coefficient			95%								
7	Coverage			95%								
8	rent or Future K Observations			1								
9												
10	Mercury											
11												
12	General Statistics											
13	Total Number of Observations			61	Number of Distinct Observations			34				
14	Number of Detects			52	Number of Non-Detects			9				
15	Number of Distinct Detects			34	Number of Distinct Non-Detects			3				
16	Minimum Detect			0.009	Minimum Non-Detect			0.02				
17	Maximum Detect			0.061	Maximum Non-Detect			0.04				
18	Variance Detected			1.3958E-4	Percent Non-Detects			14.75%				
19	Mean Detected			0.0333	SD Detected			0.0118				
20	Mean of Detected Logged Data			-3.47	SD of Detected Logged Data			0.389				
21												
22	Critical Values for Background Threshold Values (BTVs)											
23	Tolerance Factor K (For UTL)			2.013	d2max (for USL)			3.033				
24												
25	Normal GOF Test on Detects Only											
26	Shapiro Wilk Test Statistic			0.976	Normal GOF Test on Detected Observations Only							
27	5% Shapiro Wilk P Value			0.583	Detected Data appear Normal at 5% Significance Level							
28	Lilliefors Test Statistic			0.0657	Lilliefors GOF Test							
29	5% Lilliefors Critical Value			0.123	Detected Data appear Normal at 5% Significance Level							
30	Detected Data appear Normal at 5% Significance Level											
31												
32	Kaplan Meier (KM) Background Statistics Assuming Normal Distribution											
33	Mean			0.0312	SD			0.0123				
34	95% UTL95% Coverage			0.0559	95% KM UPL (t)			0.0519				
35	95% KM Chebyshev UPL			0.0852	90% KM Percentile (z)			0.0469				
36	95% KM Percentile (z)			0.0514	99% KM Percentile (z)			0.0598				
37	95% KM USL			0.0685								
38												
39	DL/2 Substitution Background Statistics Assuming Normal Distribution											
40	Mean			0.0304	SD			0.0131				
41	95% UTL95% Coverage			0.0568	95% UPL (t)			0.0525				
42	90% Percentile (z)			0.0472	95% Percentile (z)			0.052				
43	99% Percentile (z)			0.0609	95% USL			0.0702				
44	DL/2 is not a recommended method. DL/2 provided for comparisons and historical reasons											
45												
46	Note: The use of USL to estimate a BTV is recommended only when the data set represents a background											
47	data set free of outliers and consists of observations collected from clean unimpacted locations.											
48	The use of USL tends to provide a balance between false positives and false negatives provided the data											
49	represents a background data set and when many onsite observations need to be compared with the BTV.											
50												